

**DEKALB COUNTY , GEORGIA**  
**DEPARTMENT OF WATERSHED MANAGEMENT**  
**SOUTH RIVER WATER QUALITY DATA: February 2011**

**Site: South River: @ Moreland Ave**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/14/2011	9:25	7.5	10.1	5.4	182	4	<2	<0.10	ND	0.02	200	32

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/14/2011	9:25	<1.0	55	11	40	60	42

**Site: Entrenchment Creek : Before entering the South River**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	9:35	7.2	10.8	6.9	212	32	4	0.37	1.1	0.22	330	15

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	9:35	<1.0	57	16	41	42	27

**Site: South River: @ Bouldercrest Road**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	#/100 mL	mg/L
2/7/2011	9:20	7.5	12.0	6.6	189	22	2	0.21	1.3	0.13	430	8
2/14/2011	9:10	7.6	9.9	6.8	178	51	<2	<0.10	ND	0.11	340	6

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	9:20	<1.0	43	10	36	47	30

Notes: Cond ( Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L\* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND ( no data)

**DEKALB COUNTY , GEORGIA**  
**DEPARTMENT OF WATERSHED MANAGEMENT**  
**SOUTH RIVER WATER QUALITY DATA: February 2011**

**Site: South River: @ Flakes Mill Road (Above Snapfinger WPCP)**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	9:05	7.4	10.4	6.3	127	23	2	0.21	1.1	0.12	660	12
2/14/2011	8:55	7.4	12.0	5.6	61	7	<2	<0.10	ND	0.02	<10	1

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
2/7/2011	9:05	<1.0	48	9	28	42	29

**Site: South River: Below Snapfinger WPCP**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	8:50	7.8	9.3	8.4	230	11	2	<0.10	2.9	0.08	1900	9
2/14/2011	8:50	7.3	9.8	9.0	287	4	<2	<0.10	ND	0.07	80	3

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	8:50	<1.0	50	5.3	22	60	42

**Site: South River: @ Highway 155 ( South River above Pole Bridge WPCP)**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	10:15	7.4	11.5	7.4	181	12	<2	<0.10	2.7	0.07	2000	18
2/14/2011	9:55	7.4	10.4	9.9	260	4	<2	<0.10	ND	0.05	140	4

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	10:15	<1.0	52	9	25	51	32

Notes: Cond ( Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L\* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND ( no data)

**DEKALB COUNTY , GEORGIA**  
**DEPARTMENT OF WATERSHED MANAGEMENT**  
**SOUTH RIVER WATER QUALITY DATA: February 2011**

**Site: South River: Below Pole Bridge LAS and Above Pole Bridge WPCP**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	10:40	7.5	10.8	7.2	169	16	<2	<0.10	2.6	0.07	560	7
2/14/2011	10:10	7.5	11.4	7.9	244	5	<2	<0.10	ND	0.04	110	4

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	10:40	<1.0	46	10	24	50	25

**Site: South River: Below Pole Bridge WPCP**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/7/2011	11:00	7.7	10.4	7.9	183	14	<2	<0.10	3.0	0.07	580	14
2/14/2011	10:25	7.6	9.8	9.4	259	5	<2	<0.10	ND	0.06	20	6

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
2/7/2011	11:00	<1.0	28	<1.0	10	45	25

**Site: South River: @ Klondike Road**

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	NH3	NO2NO3	P-Total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg-C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
2/14/2011	10:40	7.8	9.9	8.8	243	6	<2	<0.10	ND	0.04	70	8

Notes: Cond ( Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L\* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND ( no data)